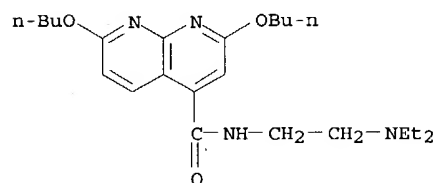


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4 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1958:61429 CAPLUS
DN 52:61429
OREF 52:11127d-g
TI Derivatives of 1,8-naphthyridine-4-carboxylic acid
IN Burckhardt, Verena; Suter, Hans; Kundig, Werner
PA Cilag Ltd.
DT Patent
LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 829894		19520131	DE	
AB	Various reactions were carried out with 2,7-dichloro-1,8-naphthyridine-4-carboxylic acid (I) to produce compds. of therapeutic value. Thus, catalytic hydrogenation of I in an alkaline medium formed 70% 1,8-naphthyridine-4-carboxylic acid, b. 290°; Me ester, m. 79-81°; picrate, m. 150-2°; amide, m. 254-5°. I and CH2N2 in ether formed the Me ester, m. 131-2°. 2,7-Dihydroxy-1,8-naphthyridine-4-carboxylic acid (II) was prepared by condensation of 2,6-diaminopyridine and di-Et oxalate to form 2-hydroxy-7-amino-1,8-naphthyridine-4-carboxylic acid followed by diazotization and decomposition of the diazonium compound; Et ester, m. 271-2°; Me ester, m. 240-2°. II with CH2N2 formed the di-Me ether Me ester, m. 139-41°. 2,7-Dibutoxy-1,8-naphthyridine-4-carboxylic acid (III), m. 164-6° (from I and BuONa), was dissolved in 200 ml. benzene containing 4.1 g. thionyl chloride, half the benzene distilled, 1.5 ml. dry pyridine in 120 ml. ether followed by 7.4 g. 2-(diethylamino)ethanol added, C5H5N.HCl removed, and the residue washed with H2O, dried, and distilled in a mol. still at 0.0001 mm. to give 72% 2,7-dibutoxy-1,8-naphthyridine-4-carboxylic acid 2-(diethylamino)ethyl ester. Similarly, the dibutylaminopropyl ester, b. 185-90°/10-3 mm., was obtained in 72% yield. III and SOCl2 in benzene gave the acid chloride which with 2-(diethylamino)ethylamine formed 2,7-dibutoxy-1,8-naphthyridine-4-carboxylic acid 2-(diethylamino)ethylamide, b. 175-80°/5 + 10-4 mm.				
IT	103504-06-9, 1,8-Naphthyridine-4-carboxamide, 2,7-dibutoxy-N-(2-diethylaminoethyl)- (preparation of)				
RN	103504-06-9 CAPLUS				
CN	1,8-Naphthyridine-4-carboxamide, 2,7-dibutoxy-N-(2-diethylaminoethyl)- (6CI) (CA INDEX NAME)				



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